

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A light weight two-piece golf ball comprising a core and a cover covering the core, wherein the cover has a flexural modulus (F) of 300 to 500 MPa, the golf ball has a specific gravity of not less than 0.50 and less than 1.00, and a deformation amount (D) of 3.1 to 5.0 mm when applying from an initial load of 98 N to a final load of 1275 N, and

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β a ratio (F/D) of the flexural modulus of the cover (F) to the deformation amount of the golf ball (D) is within the range of more than 50 and not more than 125.

2. (Previously Presented) The golf ball according to Claim 1, wherein the core has a deformation amount of 4.1 to 5.5 mm when applying from an initial load of 98 N to a final load of 1275 N.

3. Cancelled

4. (Previously Presented) The golf ball according to Claim 1, wherein the ratio (F/D) is within the range of 55 to 120.

5. (New) The golf ball according to Claim 1, wherein the deformation amount (D) is within the range of 3.4 to 4.0 mm.

6. (New) The golf ball according to Claim 1, wherein the cover has a flexural modulus (F) of 300 to 400 Mpa.

7. (New) The golf ball according to Claim 1, wherein the deformation amount (D) is within the range of 3.3 to 4.5 mm.

8. (New) The golf ball according to Claim 1, wherein the ratio (F/D) is within the range of 65 to 110.

9. (New) The golf ball according to Claim 1, wherein the ratio (F/D) is within the range to 80 to 95.

10. (New) The golf ball according to Claim 1, wherein the specific gravity is 0.0 to 0.99.

11. (New) The golf ball according to Claim 1, wherein the specific gravity is 0.90 to 0.98.

12. (New) A light weight two-piece golf ball consisting
essentially of a core and a cover covering the core, wherein
the cover has a flexural modulus (F) of 300 to 500 MPa,
the golf ball has a specific gravity of not less than 0.50
and less than 1.00, and a deformation amount (D) of 3.1 to 5.0
mm when applying from an initial load of 98 N to a final load of
1275 N, and
a ratio (F/D) of the flexural modulus of the cover (F) to
the deformation amount of the golf ball (D) is within the range
of more than 50 and not more than 125.